It would seem adapting the use of our power grid to provide broadband Internet access to all Americans would be an efficient, cost-effective use of an existing infrastructure. Particularly so for rural areas. Unfortunately, a BPL signal only carries a few thousand feet down a power line and then must be (re)amplified. This requires a lot of additional devices to 'repeat' the signal and I cannot envision this being economically feasible in areas with low population densities.

Further, I have read numerous official (and unofficial) tests that demonstrate massive radio frequency interference over great expanses of our radio spectrum. This has been substantiated by efforts of European countries that have investigated this technology and abandoned it in favor of less intrusive technologies.

It is often touted that BPL signals are very weak and will not interfere with critical communications. However in certain circumstances even very weak signals can travel thousands of miles. Indeed, the Mars rovers Spirit and Opportunity communicate with Earth using signals at levels similar to BPL signals.

I am in full support of enabling Internet access to all Americans. However our National broadband telecommunications policy should NOT include support for BPL, but should focus on other, more appropriate technologies.

Thank you,
Mike McCoy